

DRILL HOLES
BORDER REV. DATE: June 1, 2004
DRILL HOLES
DRILL HOLES

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 528 (COASTAL HIGHWAY) AND 41ST STREET IN OCEAN CITY, WORCESTER COUNTY. THE MODIFICATION INVOLVES THE REMOVAL OF THE EXISTING PEDESTRIAN SIGNAL HEADS FOR CROSSING MD 528 AND THE INSTALLATION OF NEW LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. THE EXISTING PEDESTRIAN SIGNAL HEADS TO CROSS THE SIDE STREETS SHALL REMAIN.

INTERSECTION OPERATION

THE EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 6 NEMA PHASES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MR. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE W. POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

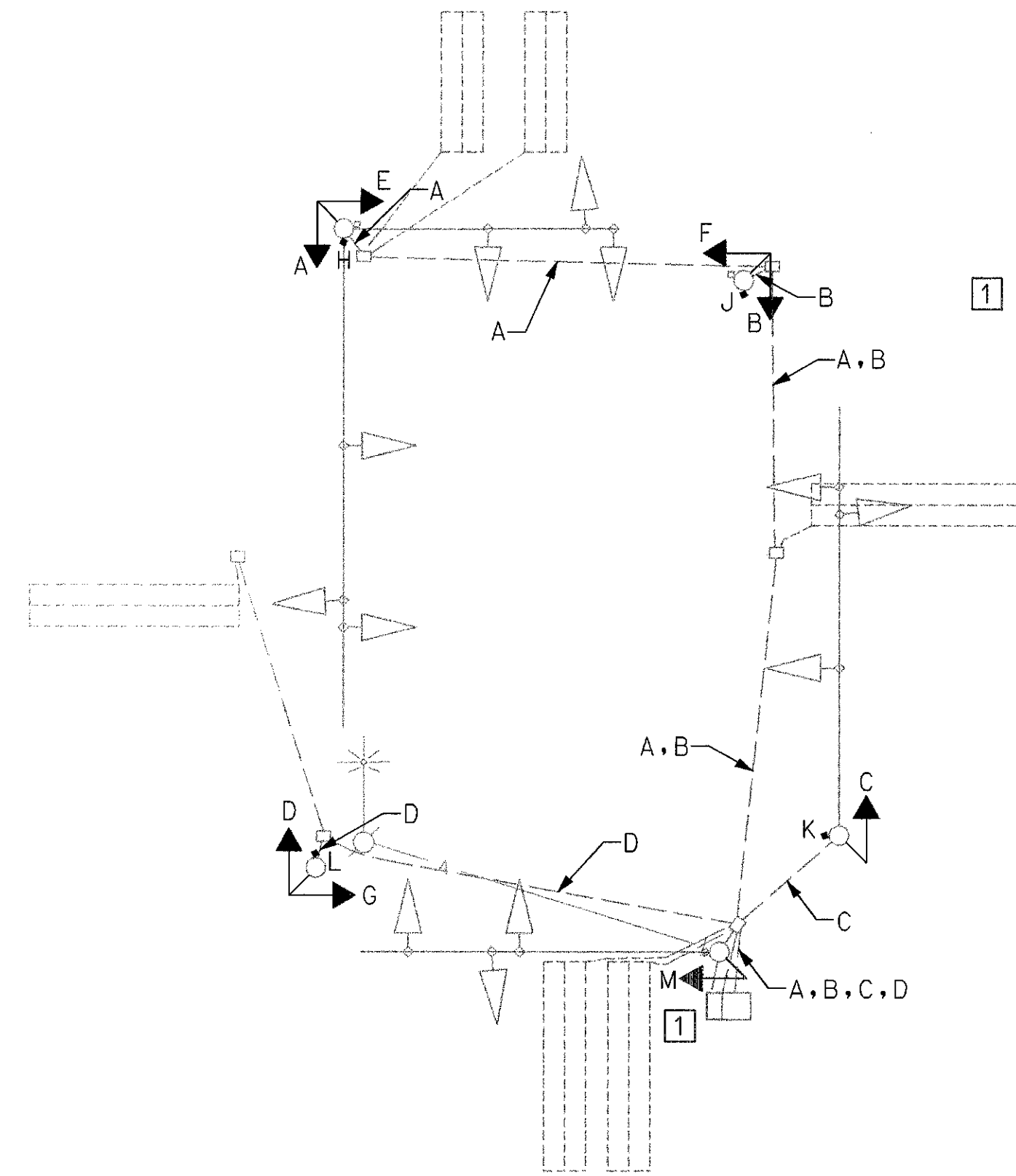
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
1	12 INCH PED SIG HEAD SECTION	EA	6
8021	REM & DISPOSE MAT & EQUIP PER ASSIGN	EA	1
8086	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	520
8091	PUSHBUTTON AND SIGN	EA	4
1	16 INCH LED COUNTDOWN PED SIG HEAD	EA	4
1	NEG. 16 INCH LED PED SIG HEAD	EA	4

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

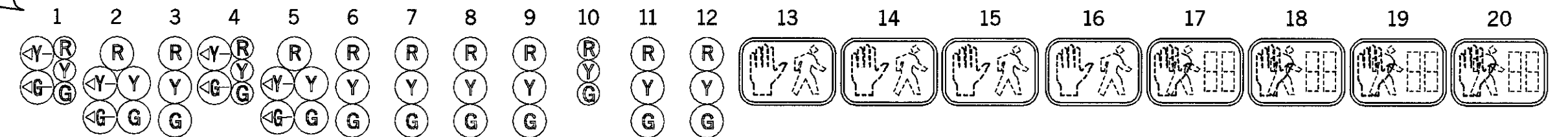
WIRING DIAGRAM



KEY


- A) } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B) }
C) }
D) }
- E) } EXISTING 5 CONDUCTOR ELECTRICAL CABLE
F) }
G) }
H) }
J) }
K) }
L) }

PHASE CHART



PHASE 1 AND 5	<R/G	<R/G	R	<R/G	<R/G	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																								
PHASE 1 AND 6	R	R	R	<G/G	<G/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
1 AND 6 CHANGE	R	R	R	<Y/G	<Y/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 5	<G/G	<G/G	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
2 AND 5 CHANGE	<Y/G	<Y/G	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6 ALT	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW	DW	
2 AND 6 ALT CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW	FLDW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	

1 RED LINE REVISION
NO. 1 / /

 SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-8564
WWW.SABRA-WANG.COM

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 528 AT 41ST STREET /
CONVENTION CNTR. ENT.**

GENERAL INFORMATION PLAN

SCALE 1"=20' DATE 11/15/04 CONTRACT NO. AT3555185

DESIGNED BY J. WEAVER COUNTY WORCESTER
DRAWN BY J. WEAVER LOGMILE 23052805.93
CHECKED BY S. RENZI T.I.M.S. NO. G474
F.A.P. NO. TOD NO.

DRAWING NO. TS-3728A SHEET NO. 6 OF 10